

# PATENT ABSTRACTS OF JAPAN

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## (54) BASE STATION RADIO TERMINAL AND ITS CONTROL METHOD

(57)Abstract:

**PROBLEM TO BE SOLVED:** To prevent a call of a busy terminal from being interrupted because a signal from the base station radio terminal having relayed communication so far cannot be received and a hand-off procedure is failed if the busy terminal comes across behind an obstacle or the like and receives a signal from a base station radio terminal having not relayed communication with high energy.

**SOLUTION:** A re-transmission number detection section 215 detects the number of times of re-transmission of a control signal sent from a base station controller. The detection station 215 controls an amplitude control section 213 in response to the number of times of detection and the control section 213 gradually increases amplitude of the transmission signal. Thus, when the control signal sent from the base station controller to a terminal has not reached the

terminal, the transmission power of the control signal sent again from the base station controller is increased more than the transmission power of the control signal which have been sent precedingly and the same control signal is sent again to the terminal, then interference in an outgoing channel can be reduced without transmission of the control signal with excess power.

